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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/558,271	10/16/2006	Toru Tatsumi	081848-0193	1477
22428 7590 12/07/2007 FOLEY AND LARDNER LLP SUITE 500		EXAMINER		
SUITE 500			VALENTINE, JAMI M	
3000 K STREET NW WASHINGTON, DC 20007			ART UNIT	PAPER NUMBER
			2815	
			MAIL DATE	DELIVERY MODE
			12/07/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No.	Applicant(s)
•	10/558,271	TATSUMI ET AL.
Office Action Summary	Examiner	Art Unit
	Jami M. Valentine, Ph.D.	2815
	unication appears on the cover sheet with	the correspondence address
 Failure to reply within the set or extended period for reply received by the Office later than three month 	MAILING DATE OF THIS COMMUNICATION OF THE COMMUNICA	ATION. bly be timely filed HS from the mailing date of this communication. NDONED (35 U.S.C. § 133).
earned patent term adjustment. See 37 CFR 1.704(b).	•	
Status		
1) Responsive to communication(s) f		
2a) This action is FINAL .	2b) This action is non-final.	an annual state of the security is
3) Since this application is in condition closed in accordance with the practice.	on for allowance except for formal matter ctice under <i>Ex parte Quayle</i> , 1935 C.D.	
Disposition of Claims		
4) ☑ Claim(s) <u>1-20</u> is/are pending in the 4a) Of the above claim(s) is 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☑ Claim(s) <u>1-20</u> are subject to restrict	/are withdrawn from consideration.	
Application Papers		
9) The specification is objected to by		
· · · · · · · · · · · · · · · · · · ·	re: a)☐ accepted or b)☐ objected to by	
• • • • • • • • • • • • • • • • • • • •	ejection to the drawing(s) be held in abeyanc	
Replacement drawing sheet(s) including 11) The oath or declaration is objected	ng the correction is required if the drawing(s	
	to by the Examinor. Note the attached	
Priority under 35 U.S.C. § 119		448() ()
2. Certified copies of the priori3. Copies of the certified copieapplication from the Internal		plication No eceived in this National Stage
See the attached detailed Office act	not to a not of the continua copies not it	
Attachment(s)		
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review Information Disclosure Statement(s) (PTO/SB/08 Paper No(s)/Mail Date 		/Mail Date ormal Patent Application

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DETAILED ACTION

Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

- **Group I.** Claims 1-3, drawn to a semiconductor device classified in class 257, subclass 213.
- **Group II.** Claims 4-20, drawn to a method for forming a metal oxide film containing silicon and hafnium, classified in class 438, subclass 197.
- The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:
- 3. Although it appears hat the invention of claims 1-3 and the invention of claims 4-20 are linked with each other only in the matter of "metal oxide film containing silicon and hafnium", this matter is publicly known without need to cite references and hence cannot be stated as being special technical features. Consequently, among the group of inventions claimed in claims 1-20, there is no special technical feature for linking them with each other so as to form a single general inventive concept. Therefore, it is apparent that the group of inventions claimed in claims 1-20 do not satisfy the requirement of unity of invention.

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4. Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jami M. Valentine, Ph.D. whose telephone number is (571) 272-9786. The examiner can normally be reached on Mon-Thurs 8:30am-7pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kenneth Parker can be reached on (571) 272-2298. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jami M Valentine, Ph.D. Examiner Art Unit 2815

JMV

YEROME JACKSON PRIMARY EXAMINER